

ABSTRACT

A computer system having a system memory; a power management controller to control to supply power to a system; a flash memory; and a controller to supply a power saving standby mode to enable the power saving standby mode and to control the power management controller to store an operating state stored in the system memory to the flash memory and to cut power supply to the system when the power saving standby mode is selected. The power saving standby mode using the flash memory is supplied in an operating system or in the BIOS of the system so that time to enter the standby mode or return to the normal mode is sharply reduced and power consumption to operate the standby mode is reduced. Further, a detachable flash memory is used in the normal state so that the operation state when the computer system enters the standby mode is separately stored and the operation state when the computer system enters the standby mode is started any time during the normal mode.